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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/634,230	0/634,230 08/05/2003		Sook Hee Chung	13672.5US01	6525	
23552	7590	10/27/2005		EXAMINER		
MERCHAI	NT & G	OULD PC	COLILLA, DANIEL JAMES			
P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903				ART UNIT	PAPER NUMBER	
	, 210, 1111			2854		
				DATE MAILED: 10/27/2005	DATE MAILED: 10/27/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/634,230	CHUNG, SOOK HEE	
Office Action Summary	Examiner	Art Unit	
	Daniel J. Colilla	2854	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.11 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).	
Status			
 Responsive to communication(s) filed on <u>05 And</u> This action is FINAL. Since this application is in condition for alloware closed in accordance with the practice under Entered to the practice of th	action is non-final. nce except for formal matters, pro	osecution as to the merits is	
Disposition of Claims			
4) ☐ Claim(s) 1-14 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-14 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o Application Papers 9) ☐ The specification is objected to by the Examine	wn from consideration.		
 10) ☐ The drawing(s) filed on <u>05 August 2003</u> is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Ex 	drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment(s)	∆ □	· (DTO 442)	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 9/22/03. 	4) Interview Summary Paper No(s)/Mail Di 5) Notice of Informal F 6) Other:		

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DETAILED ACTION

Specification

1. A substitute specification in proper idiomatic English and in compliance with 37 CFR 1.52(a) and (b) is required. The substitute specification filed must be accompanied by a statement that it contains no new matter.

Some of the portions not in proper idiomatic English are as follows:

"A metallic layer is partially formed on a thermal transfer printing target member in such a manner that a metallic layer is partially deposited on a thermal transfer printing sheet for printing on a thermal transfer printing target member, and a partial transfer printing of a gold silver thermal transfer printing sheet represents that a gold silver layer on a gold silver thermal transfer printing sheet is partially printed on a transfer printing target member" (from page 4, lines 8-13).

"In the forming method using the thermal transfer printing sheet 21 according to an embodiment of the present invention, there are provided a feeding unit for feeding the base material 10 for thereby implementing a continuous process like a conveyor type, a transfer printing unit for printing the thermal transfer printing sheet 21 on the base material 10, a synthetic rubber roll or carving roll for dry-attaching the thermal transfer printing sheet 21, and a heating unit that the transfer conduction film 24 provides a heat to the transfer finished base material 10 at a certain distance. (from page 5, lines 13-19).

These are just a few examples of the problem with the specification. All such problems must be corrected.

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2. The disclosure is objected to because of the following informalities:

On page 5, lines 4, 6 and 7 of the specification, reference numerals 22 and 23 are improperly used in association with the same structure, the ink conductive film.

On page 5, lines 2-3 of the specification, applicant states that, "a base material 10 is heated by a thermal transfer printing sheet 21." This, however, does not appear to make sense. Perhaps applicant intended to mean that the base material 10 is heated by roller 43?

Appropriate correction is required.

Claim Objections

3. The claims are objected to because they include reference characters which are not enclosed within parentheses.

Reference characters corresponding to elements recited in the detailed description of the drawings and used in conjunction with the recitation of the same element or group of elements in the claims should be enclosed within parentheses so as to avoid confusion with other numbers or characters which may appear in the claims. See MPEP § 608.01(m).

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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5. Claims 1-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, line 4, applicant's use of the phrase, "a partial deposition thermal transfer printing sheet" is vague and indefinite. It is not clear if applicant is referring to a particular type of printing sheet called "partial deposition" or if applicant is intending to recite, --partially printing a thermal transfer sheet.-- If the latter is true, then it would appear that applicant's use of the alternative in the claim is unnecessary since "thermal transfer printing sheet" would necessarily include a "gold silver thermal transfer printing sheet.

In claim 1, line 5, applicant's term "gold silver thermal transfer printing sheet" is indefinite. It is not clear if applicant intends to mean --a gold or silver thermal transfer printing sheet-- or if applicant has some other intention.

In claim 1, line 8, it would appear that applicant's term, "a conduction film" is actually a double recitation of the thermal transfer printing sheet that was printed as previously recited in the claim. Figure 3 of applicant's specification shows that the thermal transfer printing sheet 21 is transferred to the base material 10 in which it is then represented by reference numeral 24 (conduction film).

Claim 11 appears to be an entire double recitation of claim 10.

Appropriate correction is required.

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Due to the extensive 112, second paragraph problems with the claims, prior art could not accurately be applied to the claims at this time. Once the 112 problems have been overcome, any relevant prior art will be applied.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel J. Colilla whose telephone number is 571-272-2157. The examiner can normally be reached on M-F 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on 571-272-2168. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

October 24, 2005

Daniel J. Colilla Primary Examiner Art Unit 2854